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FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
0609.1090009/MACAPPLICATION NO.  
09/635,679APPLICANT  
HABENER, J.F.FILING DATE  
August 10, 2000GROUP  
~~To be assigned~~ 1645

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>mm</i>	AA1	5,118,666	06/02/1992	Habener	514	12	06/01/1990
<i>mm</i>	AB1	5,120,712	06/09/1992	Habener	514	12	06/01/1990
<i>mm</i>	AC1	5,424,286	06/13/1995	Eng	514	2	05/24/1993
<i>mm</i>	AD1	5,545,618	08/13/1996	Buckley et al.	514	12	12/10/1993
<i>mm</i>	AE1	5,574,008	11/12/1996	Johnson et al.	514	12	08/30/1994
<i>mm</i>	AF1	5,614,492	03/25/1997	Habener	514	12	11/23/1993
<i>mm</i>	AG1	5,631,224	05/20/1997	Efendic et al.	514	12	10/18/1993
<i>mm</i>	AH1	5,958,909	09/28/1999	Habener	514	120	11/20/1996
<i>mm</i>	AI1	6,162,907	12/19/2000	Habener	536	23.1	06/05/1998
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
<i>mm</i>	AL1	EP 0 044 168 A1	01/20/1982	Europe			Yes No
<i>mm</i>	AM1	EP 0 082 731 A1	06/29/1983	Europe			Yes No
<i>mm</i>	AN1	WO 87/06941	11/19/1987	WIPO			Yes No
<i>mm</i>	AO1	EP 0 305 387 B2	03/08/1989	Europe			Yes No
<i>mm</i>	AP1	JP 1-502746	09/21/1989	Japan			Yes X NO

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>mm</i>	AR	<u>1</u>	Albano, J.D.M. et al., "A Sensitive, Precise Radioimmunoassay of Serum Insulin Relying on Charcoal Separation of Bound and Free Hormone Moieties," <i>Acta Endocrinologica (Copenh.)</i> 70:487-509, Munksgaard (1972).
<i>mm</i>	AS	<u>1</u>	Andersen, D.K. et al., "The Insulinotropic Effect of GIP: A Dose Response Comparison and Comparison to Glucagon-Like Peptide-1(7-37) amide (GLP)," <i>Diabetes</i> 39(Suppl. 1):142A, Abstract No. 567, American Diabetes Association (May 1990).
<i>mm</i>	AT	<u>1</u>	Andrews, P.C. and Ronner, P., "Isolation and Structures of Glucagon and Glucagon-like Peptide from Catfish Pancreas," <i>J. Biol. Chem.</i> 260:3910-3914, The American Society for Biochemistry and Molecular Biology, Inc. (April 1985).

EXAMINER

DATE CONSIDERED

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HABENER, J.F.FILING DATE  
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## FOREIGN PATENT DOCUMENTS

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<i>mm</i>	AL2	JP 2583257	09/21/1989	Japan			Yes <input checked="" type="checkbox"/> No
<i>mm</i>	AM2	WO 90/11296	10/04/1990	WIPO			Yes No
<i>mm</i>	AN2	WO 91/11457	08/08/1991	WIPO			Yes No
<i>mm</i>	AO2	WO 93/18786	09/30/1993	WIPO			Yes No
<i>mm</i>	AP2	WO 93/19175	09/30/1993	WIPO			Yes No

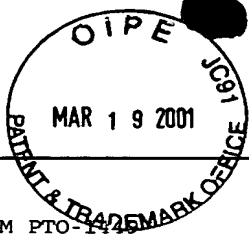
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>mm</i>	AR	2	Bell, G.I. et al., "Hamster preproglucagon contains the sequence of glucagon and two related peptides," <i>Nature</i> 302:716-718, Macmillan Publishers Ltd. (1983).
<i>mm</i>	AS	2	Blackmore, P.F. et al., "Absence of insulintropic glucagon-like peptide-I(7-37) receptors on isolated rat liver hepatocytes," <i>FEBS Lett.</i> 283:7-10, Elsevier Science Publishers B.V. (May 1991).
<i>mm</i>	AT	2	Bromer, W.W. et al., "Amino Acid Sequence of Bovine Glucagon," <i>J. Biol. Chem.</i> 246:2822-2827, American Society of Biological Chemists, Inc. (1971).

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FORM PTO-1445

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
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	AM3	EP 0 619 322 A2	10/12/1994	Europe			Yes No
	AN3	WO 95/03405	02/02/1995	WIPO			Yes No
	AO3	WO 95/05848	03/02/1995	WIPO			Yes No
	AP3	WO 95/07098	03/16/1995	WIPO			Yes No

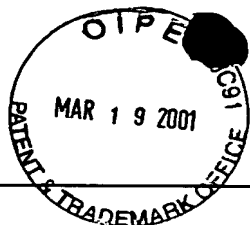
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	3	Buhl, T. et al., "Naturally Occurring Products of Proglucagon 111-160 in the Porcine and Human Small Intestine," J. Biol. Chem. 263:8621-8624, The American Society for Biochemistry and Molecular Biology, Inc. (June 1988).
	AS	3	Creutzfeldt, W. et al., "Entero-Insular Axis 1988," in Diabetes 1988, Larkins, R. et al., eds., Elsevier Science Publishers B.V. (Biomedical Division), pp. 193-203 (May 1989).
	AT	3	Dobbs, R. et al., "Glucagon: Role in the Hyperglycemia of Diabetes Mellitus," Science 187:544-547, American Association for the Advancement of Science (1975).

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL4	EP 0 658 568 A1	06/21/1995	Europe			Yes No
	AM4	WO 95/17510	06/29/1995	WIPO			Yes No
	AN4	WO 95/31214	11/23/1995	WIPO			Yes No
	AO4	WO 96/20005	07/04/1996	WIPO			Yes No
	AP4	EP 0 733 644 A1	09/25/1996	Europe			Yes No

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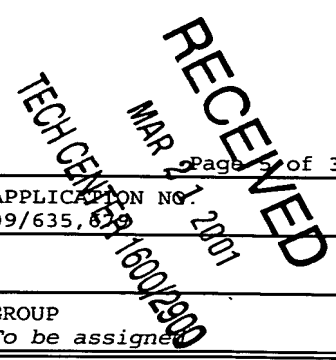
	AR	4	Dobs, A.S. et al., "Regulation of Insulin Synthesis in an Insulin-Producing Cell Line (RINm5F): Long-Term Experiments," <i>In Vitro Cell. Dev. Biol.</i> 25:112-114, Society for In Vitro Biology (February 1989).
	AS	4	Drucker, D.J. et al., "Cell-specific Post-translational Processing of Preproglucagon Expressed from a Metallothionein-glucagon Fusion Gene," <i>J. Biol. Chem.</i> 261:9637-9643, The American Society of Biological Chemists, Inc. (July 1986).
	AT	4	Drucker, D.J. et al., "Glucagon-like Peptide I Increases Insulin mRNA Levels and Insulin Release in Rat Insulinoma Cells," Abstract No. 602, Programs and Abstracts book, 68 <sup>th</sup> Annual Meeting of The Endocrine Society, June 25-27, 1986, Anaheim, CA (June 1986).

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0609.1090009/MAC	APPLICATION NO. 09/635,639
APPLICANT HABENER, J.F.	
FILING DATE August 10, 2000	GROUP To be assigned

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

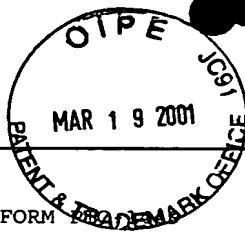
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	AM5	DE 19530865 A1	02/27/1997	Germany			Yes <input checked="" type="checkbox"/> No
	AN5	WO 98/19698	05/14/1998	WIPO			Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	5	Drucker, D.J. et al., "Glucagon-like peptide I stimulates insulin gene expression and increases cyclic AMP levels in a rat islet cell line," <i>Proc. Natl. Acad. Sci. USA</i> 84:3434-3438, The National Academy of Sciences (May 1987).
	AS	5	Fehmann, H.C. et al., "Functional receptors for the insulinotropic hormone glucagon-like peptide-I(7-37) on a somatostatin secreting cell line," <i>FEBS Lett.</i> 279:335-340, Elsevier Science Publishers B.V. (February 1991).
	AT	5	Fehmann, H.C. et al., "Insulinotropic Hormone Glucagon-like Peptide-I(7-37) Stimulation of Proinsulin Gene Expression and Proinsulin Biosynthesis in Insulinoma $\beta$ TC-1 Cells," <i>Endocrinology</i> 130:159-166, The Endocrine Society (January 1992).

EXAMINER 	DATE CONSIDERED 8/16/02
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FORM 1600/2900 <b>INFORMATION DISCLOSURE STATEMENT</b>	ATTY. DOCKET NO. 0609.1090009/MAC	APPLICATION NO 09/635,619
	APPLICANT HABENER, J.F.	
	FILING DATE August 10, 2000	GROUP To be assigned

**U.S. PATENT DOCUMENTS**

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**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	6	Fehmann, H.-C. and Habener, J.F., "Galanin Inhibits Proinsulin Gene Expression Stimulated by the Insulinotropic Hormone Glucagon-Like Peptide-I(7-37) in Mouse Insulinoma $\beta$ TC-1 Cells," <i>Endocrinology</i> 130:2890-2896, The Endocrine Society (May 1992).
	AS	6	Fehmann, H.-C. and Habener, J.F., "Insulinotropic Glucagonlike Peptide-I(7-37)/(7-36)Amide: A New Incretin Hormone," <i>Trends in Endocrinology and Metabolism</i> 3:158-163, Elsevier Science Publishing Co. (July 1992).
	AT	6	Ganong, W.F.; "Endocrine Functions of the Pancreas & the Regulation of Carbohydrate Metabolism," Chapter 19 in <i>Review of Medical Physiology</i> , LANGE Medical Publications, Los Altos, CA, pp. 257-276 (1979).

EXAMINER 	DATE CONSIDERED 8/16/02
<b>EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	



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MAR 21 2001  
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
0609.1090009/MAC

APPLICATION NO.  
09/415,679

APPLICANT  
HABENER, J.F.

FILING DATE  
August 10, 2000

GROUP  
To be assigned




**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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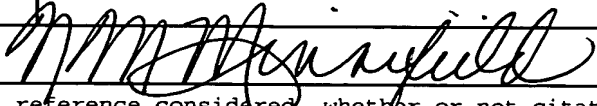
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	1	Garcia, S.D. et al., "Biosynthesis of Proinsulin and Insulin in Newborn Rat Pancreas," <i>J. Clin. Invest.</i> 57:230-243, The American Society for Clinical Investigation (1976).
	AS	1	Gefel, D. et al., "Glucagon-Like Peptide-I Analogs: Effects on Insulin Secretion and Adenosine 3',5'-Monophosphate Formation," <i>Endocrinology</i> 126:2164-2168, The Endocrine Society (April 1990).
	AT	1	George, S.K. et al., "Molecular forms of glucagon-like peptides in man," <i>FEBS Lett.</i> 192:275-278, Elsevier Science Publishers B.V. (November 1985).

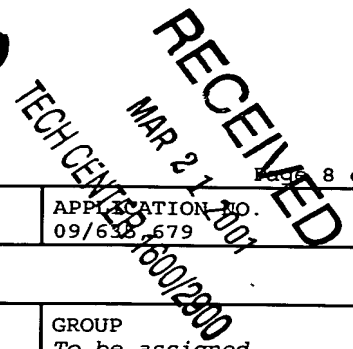
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8/16/02

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FORM PTO-100 <b>INFORMATION DISCLOSURE STATEMENT</b>	ATTY. DOCKET NO. 0609.1090009/MAC	APPLICATION NO. 09/633,679
	APPLICANT HABENER, J.F.	
	FILING DATE August 10, 2000	GROUP To be assigned

U.S. PATENT DOCUMENTS							
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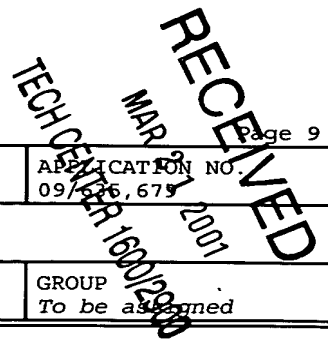
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	8	German, M.S. et al., "Regulation of Insulin Gene Expression by Glucose and Calcium in Transfected Primary Islet Cultures," <i>J. Biol. Chem.</i> 265(36):22063-22066, The Society for Biochemistry and Molecular Biology, Inc. (December 1990).
	AS	8	Ghiglione, M. et al., "How glucagon-like is glucagon-like peptide-1?," <i>Diabetologia</i> 27:599-600, Springer-Verlag (1984).
	AT	8	Ghiglione, M. et al., "Plasma Responses of Glucagon-Like Peptide-1 and -2 Immunoreactivities to Oral Glucose in Man," <i>Reg. Peptides</i> 13:101, Elsevier Science Ltd. (December 1985).

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
0609.1090009/MACAPPLICATION NO.  
09/336,675APPLICANT  
HABENER, J.F.FILING DATE  
August 10, 2000GROUP  
To be assigned




## U.S. PATENT DOCUMENTS

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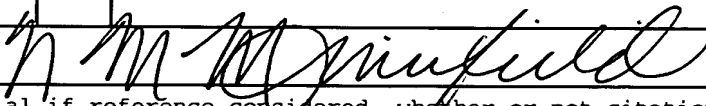
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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Grodsky, G.M. et al., "Pancreatic action of the sulfonylureas," Fed. Proc. 36:2714-2719, The Federation of American Societies for Experimental Biology (1977).
	AS	2	Habener, J.F. et al., "Complementary DNAs Encoding Precursors of Glucagon and Somatostatin," Chapter 4 in: Biogenetics of Neurohormonal Peptides, Hakanson, R., et al. eds., Academic Press, London, pp.47-61 (January 1985).
	AT	2	Habener, J.F. et al., "Cell-Specific Alternative Processing of Proglucagon," in Molecular Mechanisms in Secretion, Alfred Benzon Symposium 25, Thorn, N.A. et al., eds., Munksgaard, pp. 476-492 (June 1988), Presented in Copenhagen June 21-25, 1987.

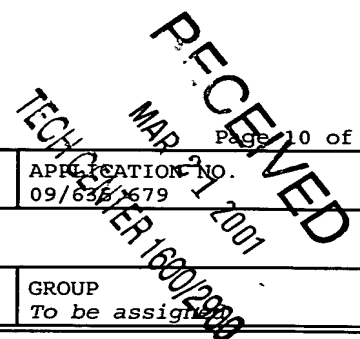
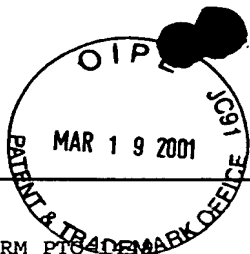
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FORM PTO-400 <b>INFORMATION DISCLOSURE STATEMENT</b>	ATTY. DOCKET NO. 0609.1090009/MAC	APPLICATION NO. 09/635,679
	APPLICANT HABENER, J.F.	
	FILING DATE August 10, 2000	GROUP To be assigned

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	AN						Yes No
	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>10</u>	Habener, J.F., "Cyclic AMP Response Element Binding Proteins: A Cornucopia of Transcription Factors," <i>Molec. Endocrinol.</i> 4:1087-1094, The Endocrine Society (August 1990).
	AS	<u>10</u>	Hammonds, P. et al., "Glucose regulates preproinsulin messenger RNA levels in a clonal cell line of simian virus 40-transformed B cells," <i>FEBS Lett.</i> 213:149-154, Elsevier Science Publishers B.V. (March 1987).
	AT	<u>10</u>	Hammonds, P. et al., "Regulation and specificity of glucose-stimulated insulin gene expression in human islets of Langerhans," <i>FEBS Lett.</i> 223:131-137, Elsevier Science Publishers B.V. (October 1987).

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## INFORMATION DISCLOSURE STATEMENT

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09/635 679

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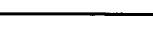
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**OTHER** (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>11</u>	Harrison's Principles of Internal Medicine, 11th Ed., Braunwald, E. et al., eds., McGraw-Hill Book Company, New York, NY, p. 1782 (February 1987).
	AS	<u>11</u>	Hauner, H. et al., "Effects of Gastric Inhibitory Polypeptide on Glucose and Lipid Metabolism of Isolated Rat Adipocytes," Ann. Nutr. Metab. 32:282-288, S. Karger AG (January 1989).
	AT	<u>11</u>	Hausdorff, W.P. et al., "Turning off the signal: desensitization of $\beta$ -adrenergic receptor function," FASEB J. 4:2881-2889, Elsevier Science Publishers B.V. (August 1990).

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MAR 21 2001  
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
0609.1090009/MAC

APPLICATION No.  
09/635,479

APPLICANT  
HABENER, J.F.

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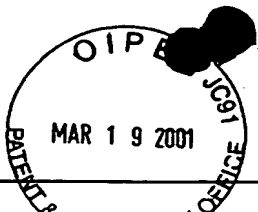
	AR	<u>12</u>	Heinrich, G. et al., "Pre-Proglucagon Messenger Ribonucleic Acid: Nucleotide and Encoded Amino Acid Sequences of the Rat Pancreatic Complementary Deoxyribonucleic Acid," <i>Endocrinology</i> 115:2176-2181, The Endocrine Society (1984).
	AS	<u>12</u>	Hendrick, G. et al., "Glucagon-Like Peptide I-(7-37) [GLP] Enhances Glucose Disposal <u>In Vivo</u> ," <i>Diabetes</i> 39(Suppl. 1):260A, Abstract No. 1005, The American Diabetes Association (May 1990).
	AT	<u>12</u>	Hendrick, G.K. et al., "Glucagon-like Peptide-I-(7-37) Suppresses Hyperglycemia in Rats," <i>Metabolism</i> 42:1-6, W.B. Saunders Co. (January 1993).

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FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
0609.1090009/MACAPPLICATION NO.  
09/622,679APPLICANT  
HABENER, J.F.FILING DATE  
August 10, 2000GROUP  
To be assigned




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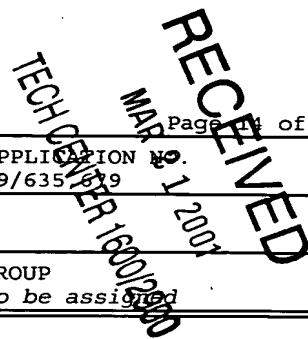
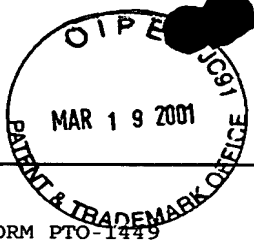
	AR	<u>13</u>	Holst, J.J. et al., "Truncated glucagon-like peptide I, an insulin-releasing hormone from the distal gut," <i>FEBS Lett.</i> 211:169-174, Elsevier Science Publishers B.V. (January 1987).
	AS	<u>13</u>	Holz, G.G. et al., "cAMP-dependent Mobilization of Intracellular Ca <sup>2+</sup> Stores by Activation of Ryanodine Receptors in Pancreatic $\beta$ -Cells," <i>J. Biol. Chem.</i> 274:14147-14156, The American Society for Biochemistry and Molecular Biology, Inc. (May 1999).
	AT	<u>13</u>	Hoosein, N.M. and Gurd, R.S., "Human glucagon-like peptides 1 and 2 activate rat brain adenylate cyclase," <i>FEBS Lett.</i> 178:83-86, Elsevier Science Publishers B.V. (1984).

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
0609.1090009/MACAPPLICATION NO.  
09/635689APPLICANT  
HABENER, J.F.FILING DATE  
August 10, 2000GROUP  
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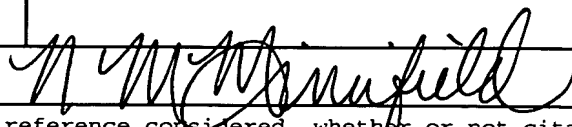
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>14</u>	Houghten, R.A. et al., "Simultaneous Multiple Peptide Synthesis: The Rapid Preparation of Large Numbers of Discrete Peptides for Biological, Immunological, and Methodological Studies," <i>BioTechniques</i> 4:522-528, Eaton Publishing Co. (November/December 1986).
	AS	<u>14</u>	Jones, I.R. et al., "The effects of glucose-dependent insulinotropic polypeptide infused at physiological concentrations in normal subjects and Type 2 (non-insulin-dependent) diabetic patients on glucose tolerance and B-cell secretion," <i>Diabetologia</i> 30:707-712, Springer-Verlag (September 1987).
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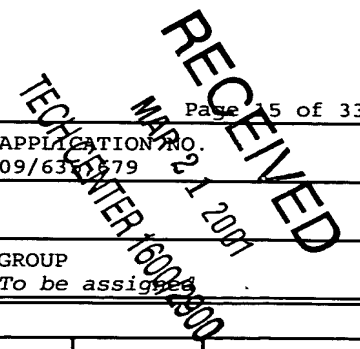
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0609.1090009/MAC

APPLICATION NO.  
09/635,579

APPLICANT  
HABENER, J.F.

FILING DATE  
August 10, 2000

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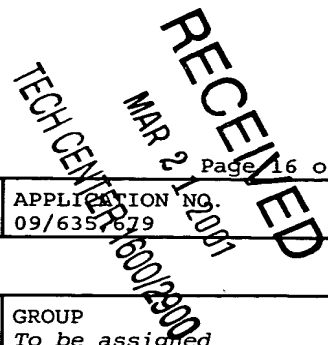
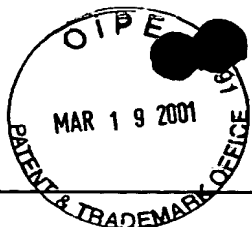
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	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>15</u>	Körman, L.Y. et al., "Characteristics of the Interaction of the Glucagon Receptor, cAMP, and Insulin Secretion in Parent Cells and Clone 5F of a Cultured Rat Insulinoma," <i>Diabetes</i> 34:717-721, American Diabetes Association (August 1985).
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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.1090009/MAC	APPLICATION NO. 09/635679
	APPLICANT HABENER, J.F.	
	FILING DATE August 10, 2000	GROUP To be assigned

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>16</u>	Lentz, K.E. et al., "The Amino Acid Composition of Hypertensin II and Its Biochemical Relationship to Hypertensin I," J. Exp. Med. 104:183-191, Rockefeller University Press, Inc. (1956).
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	AT	<u>16</u>	Lopez, L.C. et al., "Mammalian pancreatic preproglucagon contains three glucagon-related peptides," Proc. Natl. Acad. Sci. USA 80:5485-5489, The National Academy of Science (1983).

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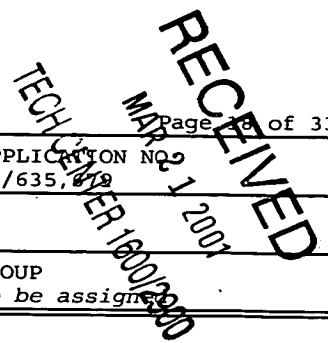
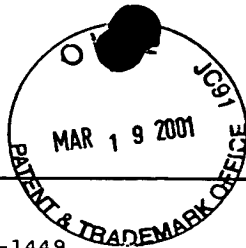
	AR	<u>17</u>	Lund, P.K. et al., "Pancreatic preproglucagon cDNA contains two glucagon-related coding sequences arranged in tandem," <i>Proc. Natl. Acad. Sci. USA</i> 79:345-349, The National Academy of Science (1982).
	AS	<u>17</u>	Meienhofer, J. "Large Scale Peptide Synthesis: A Review," in <i>Peptides 1984, Proceedings of the 18th European Peptide Symposium</i> , Ragnarsson, U., ed., Almqvist & Wiksell International, Stockholm, Sweden, pp.19-34 (1984), Presented in Djuröna-set, Sweden, June 10-15, 1984.
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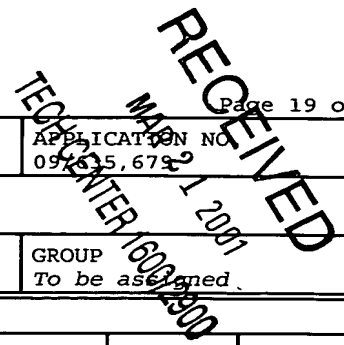
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>18</u>	Mojsov, S. et al., "Preproglucagon Gene Expression in Pancreas and Intestine Diversifies at the Level of Post-translational Processing," <i>J. Biol. Chem.</i> 261:11880-11889, The American Society of Biological Chemists, Inc. (September 1986).
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	AT	<u>18</u>	Mojsov, S. et al., "Both Amidated and Nonamidated Forms of Glucagon-like Peptide I Are Synthesized in the Rat Intestine and the Pancreas," <i>J. Biol. Chem.</i> 265:8001-8008, The American Society for Biochemistry and Molecular Biology, Inc. (May 1990).

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09/255,679APPLICANT  
HABENER, J.F.FILING DATE  
August 10, 2000GROUP  
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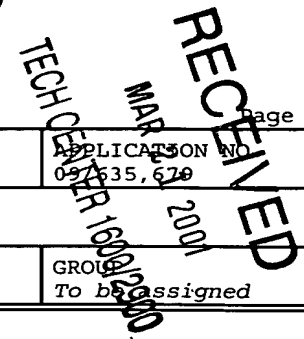
	AR	<u>19</u>	Moody, A.J. et al., "Relationship of glicentin to proglucagon and glucagon in the porcine pancreas," <i>Nature</i> 289:514-516, Macmillan Publishers Ltd. (1981).
	AS	<u>19</u>	Morris, G.E. and Korner, A., "The Effect of Glucose on Insulin Biosynthesis by Isolated Islets of Langerhans of the Rat," <i>Biochim. Biophys. Acta</i> 208:404-413, Elsevier Publishing Co. (1970).
	AT	<u>19</u>	Nathan, D.M. et al., "Insulinotropic Action of Glucagon-like Peptide-I, 7-37 [GLP-I(7-37)] in Non-Diabetic and NIDDM Subjects," <i>Diabetes</i> 39(Suppl. 1):142A, Abstract No. 568, American Diabetes Association (May 1990).

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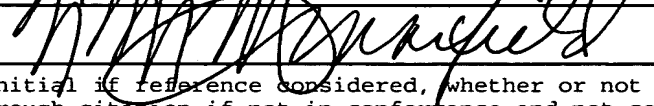


FORM PTO-1449 <b>INFORMATION DISCLOSURE STATEMENT</b>	ATTY. DOCKET NO. 0609.1090009/MAC	APPLICATION NO. 05/235,629
	APPLICANT HABENER, J.F.	
	FILING DATE August 10, 2000	GROUP To be assigned

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	AR	20	Nielsen, D.A. et al., "Control of Insulin Gene Expression in Pancreatic $\beta$ -Cells and in an Insulin-producing Cell Line, RIN-5F Cells," J. Biol. Chem. 260:13585-13589, The American Society of Biological Chemists (November 1985).
	AS	20	Ørskov, C. et al., "Glucagon-Like Peptides GLP-1 and GLP-2, Predicted Products of the Glucagon Gene, Are Secreted Separately from Pig Small Intestine but Not Pancreas," Endocrinology 119:1467-1475, The Endocrine Society (October 1986).
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FORM PTO-1449

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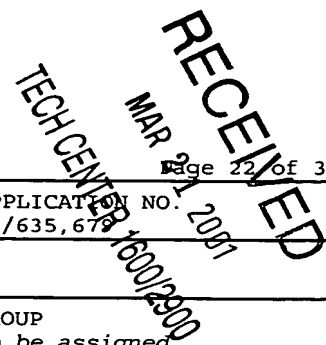
	AR	<u>21</u>	Ørskov, C. et al., "Proglucagon Products in Plasma of Noninsulin-dependent Diabetics and Nondiabetic Controls in the Fasting State and after Oral Glucose and Intravenous Arginine," <i>J. Clin. Invest.</i> 87:415-423, The American Society for Clinical Investigation (February 1991).
	AS	<u>21</u>	Ørskov, C. et al., "Biological Effects and Metabolic Rates of Glucagonlike Peptide-1 7-36 Amide and Glucagonlike Peptide-1 7-37 in Healthy Subjects Are Indistinguishable," <i>Diabetes</i> 42:658-661, American Diabetes Association (May 1993).
	AT	<u>21</u>	Patzelt, C. et al., "Identification and processing of proglucagon in pancreatic islets," <i>Nature</i> 282:260-266, Macmillan Publishers Ltd. (1979).

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	APPLICANT HABENER, J.F.	
	FILING DATE August 10, 2000	GROUP To be assigned

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	AR	22	Patzelt, C. and Schiltz, E., "Conversion of proglucagon in pancreatic alpha cells: The major endproducts are glucagon and a single peptide, the major proglucagon fragment, that contains two glucagon-like sequences," <i>Proc. Natl. Acad. Sci. USA</i> 81:5007-5011, The National Academy of Science (1984).
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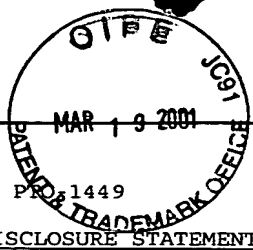
	AR	<u>23</u>	Sarson, D.L. et al., "The Effect of Glucose-Dependent Insulinotropic Polypeptide Infused at Physiological Concentrations on the Release of Insulin in Man," <i>Diabetologia</i> 22:33-36, Springer-Verlag (1982).
	AS	<u>23</u>	Schäfer, R. and Schatz, H., "Stimulation of (Pro-)Insulin Biosynthesis and Release by Gastric Inhibitory Polypeptide in Isolated Islets of Rat Pancreas," <i>Acta Endocrinologica (Copenh.)</i> 91:493-500, Munksgaard (1979).
	AT	<u>23</u>	Schatz, H. et al., "The Effect of Tolbutamide and Glibenclamide on the Incorporation of [ <sup>3</sup> H]Leucine and on the Conversion of Proinsulin to Insulin in Isolated Pancreatic Islets," <i>FEBS Lett.</i> 26:237-240, Elsevier Science Publishers B.V. (1972).

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## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
0609.1090009/MACAPPLICATION NO.  
09/535,649APPLICANT  
HABENER, J.F.FILING DATE  
August 10, 2000GROUP  
To be assigned

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

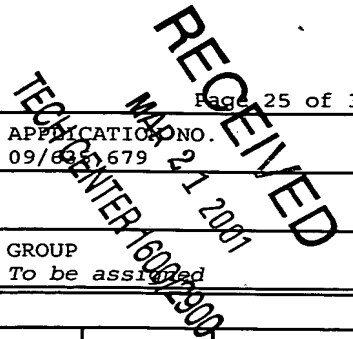
	AR	<u>24</u>	Schmidt, W.E. et al., "Glucagon-like peptide-1 but not glucagon-like peptide-2 stimulates insulin release from isolated rat pancreatic islets," <i>Diabetologia</i> 28:704-707, Springer-Verlag (September 1985).
	AS	<u>24</u>	Schwartz, T.W., "The processing of peptide precursors. 'Proline-directed arginyl cleavage' and other monobasic processing mechanisms," <i>FEBS Lett.</i> 200:1-10, Elsevier Science Publishers B.V. (Biomedical Division) (May 1986).
	AT	<u>24</u>	Shields, D. et al., "Cell-free synthesis and processing of multiple precursors to glucagon," <i>Nature</i> 289:511-514, Macmillan Publishers Ltd. (1981).

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.






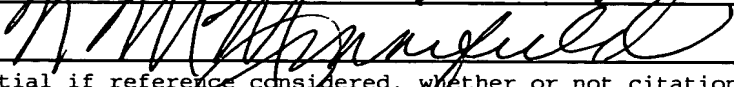


FORM PTO-1492 <b>INFORMATION DISCLOSURE STATEMENT</b>	ATTY. DOCKET NO. 0609.1090009/MAC	APPLICATION NO. 09/655,679
	APPLICANT HABENER, J.F.	
	FILING DATE August 10, 2000	GROUP To be assigned

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	25	Stephen, R.L. et al., "Potential novel methods for insulin administration: I. Iontophoresis," <i>Biomed. Biochim. Acta</i> 43:553-558, Akademie-Verlag (1984).
	AS	25	Tanese, T. et al., "Synthesis and Release of Proinsulin and Insulin by Isolated Rat Islets of Langerhans," <i>J. Clin. Inves.</i> 49:1394-1404, The Society for Clinical Investigation (1970).
	AT	25	Unger, R.H. and Orci, L., "Glucagon in Diabetes Mellitus," Chapter 44 in <i>Glucagon II</i> , Lefebvre, P.J., ed., Springer-Verlag, Berlin, Germany, pp. 431-450 (1983).

EXAMINER 	DATE CONSIDERED 8/16/02
<b>EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	



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	APPLICANT HABENER, J.F.	
	FILING DATE August 10, 2000	GROUP To be assigned

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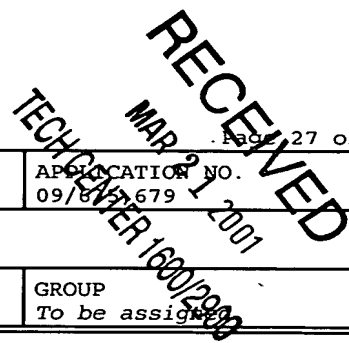
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>26</u>	Uttenthal, L.O. et al., "Molecular Forms of Glucagon-Like Peptide-1 in Human Pancreas and Glucagonomas," <i>J. Clin. Endo. Metab.</i> 61:472-479, The Endocrine Society (September 1985).
	AS	<u>26</u>	Wang, S.-Z. et al., "Agonist-induced down-regulation of m1 muscarinic receptors and reduction of their mRNA level in a transfected cell line," <i>FEBS Lett.</i> 276:185-188, Elsevier Science Publishers B.V. (December 1990).
	AT	<u>26</u>	Weir, G.C. et al., "Glucagonlike Peptide I (7-37) Actions on Endocrine Pancreas," <i>Diabetes</i> 38:338-342, American Diabetes Association (March 1989).

EXAMINER 	DATE CONSIDERED 8/26/02
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
0609.1090009/MACAPPLICATION NO.  
09/816679APPLICANT  
HABENER, J.F.FILING DATE  
August 10, 2000GROUP  
To be assigned

## U.S. PATENT DOCUMENTS

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	AO						Yes No
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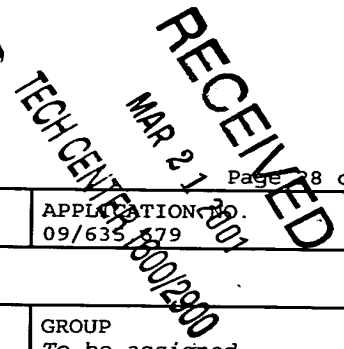
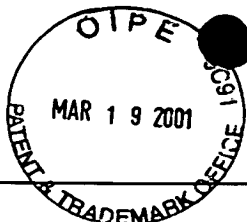
	AR	27	Welsh, M. et al., "Control of Insulin Gene Expression in Pancreatic $\beta$ -Cells and in an Insulin-producing Cell Line, RIN-5F Cells. II. Regulation of Insulin mRNA Stability," <i>J. Biol. Chem.</i> 260:13590-13594, The American Society of Biological Chemists, Inc. (November 1985).
	AS	27	Yanaihara, C. et al., "Rat pancreas contains the proglucagon(64-69) fragment and arginine stimulates its release," <i>FEBS Lett.</i> 187:307-310, Elsevier Science Publishers B.V. (Biomedical Division) (August 1985).
	AT	27	NIH Grant No. R29 DK40083 to Svetlana Mojsov entitled "Role of GLP-I(7-37) in Insulin Secretion," beginning April 1, 1988.

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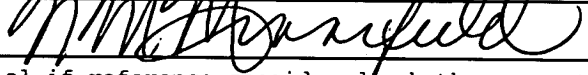


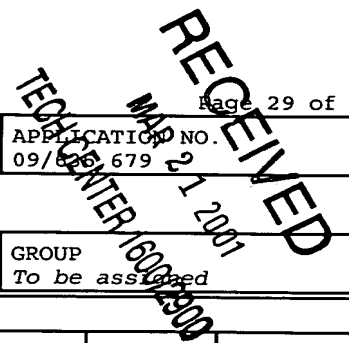
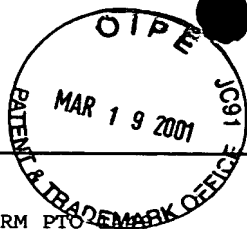
FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.1090009/MAC	APPLICATION NO. 09/635,679
	APPLICANT HABENER, J.F.	
	FILING DATE August 10, 2000	GROUP To be assigned

U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	28	NIH CRISP Printout of Abstract for AM30834-01, Fiscal Year 1982, "Glucagon biosynthesis and metabolism (fish, rats)."
	AS	28	NIH CRISP Printout of Abstract for AM30834-02, Fiscal Year 1983, "Glucagon biosynthesis and metabolism (fish, rats)."
	AT	28	NIH CRISP Printout of Abstract for AM30834-03, Fiscal Year 1984, "Glucagon biosynthesis and metabolism (fish, rats)."

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INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
0609.1090009/MACAPPLICATION NO.  
09/609,679APPLICANT  
HABENER, J.F.FILING DATE  
August 10, 2000GROUP  
To be assigned

## U.S. PATENT DOCUMENTS

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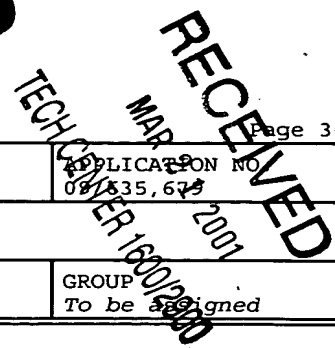
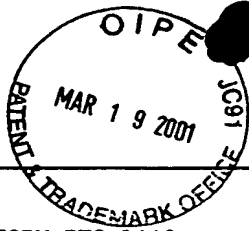
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	AR	<u>29</u>	NIH CRISP Printout of Abstract for AM30834-04, Fiscal Year 1985, "Glucagon biosynthesis and metabolism (fish, rats)."
	AS	<u>29</u>	NIH CRISP Printout of Abstract for AM30834-05, Fiscal Year 1986, "Glucagon biosynthesis and metabolism (fish, rats)."
	AT	<u>29</u>	NIH CRISP Printout of Abstract for DK30834-05S1, Fiscal Year 1987, "Glucagon biosynthesis and metabolism (fish, rats)."

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FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
0609.1090009/MACAPPLICATION NO.  
08/535,625APPLICANT  
HABENER, J.F.FILING DATE  
August 10, 2000GROUP  
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## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>30</u>	NIH CRISP Printout of Abstract for DK30834-06A1, Fiscal Year 1988, "Glucagon biosynthesis and metabolism (human, rats, hamsters)."
	AS	<u>30</u>	NIH CRISP Printout of Abstract for DK30834-07, Fiscal Year 1989, "Glucagon biosynthesis and metabolism (human, rats, hamsters)."
	AT	<u>30</u>	NIH CRISP Printout of Abstract for DK30834-08, Fiscal Year 1990, "Glucagon biosynthesis and metabolism (human, rats, hamsters)."

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8/16/02

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INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
0609.1090009/MAC

APPLICATION NO.

02/635,600

APPLICANT  
HABENER, J.F.FILING DATE  
August 10, 2000GROUP  
To be assigned




## U.S. PATENT DOCUMENTS

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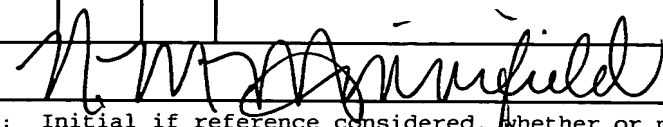
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	AN						Yes No
	AO						Yes No
	AP						Yes No

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	AR	<u>31</u>	NIH CRISP Printout of Abstract for DK30834-09, Fiscal Year 1991, "Glucagon biosynthesis and metabolism (human, rats, hamsters)."
	AS	<u>31</u>	English Language Abstract of JP 1-502746 (Document AP1), Derwent World Patents Index (Dialog File 351), WPI Accession No. 87-334950.
	AT	<u>31</u>	English Language Abstract of JP 2583257 (Document AL2), Derwent World Patents Index (Dialog File 351), WPI Accession No. 87-334950.

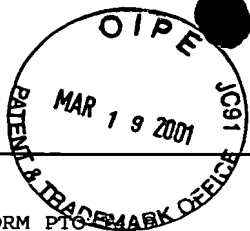
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INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
0609.1090009/MACAPPLICATION NO.  
09/638,679APPLICANT  
HABENER, J.F.FILING DATE  
August 10, 2000GROUP  
To be assigned

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

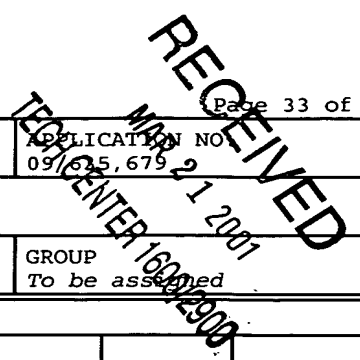
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	AS	32	English Language Abstract of DE 195 30 865 (Document AM5), Derwent World Patents Index (Dialog File 351), WPI Accession No. 97-146440.
	AT	32	Entry entitled "Angiotensin," in <i>Seikagaku Jiten</i> (Biochemical Dictionary), First edition, Tokyo Kagaku Dojin, pp. 97-98 (May 1985). <i>no english translation</i>

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FORM P-1449  
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0609.1090009/MAC	APPLICATION NO. 09/035,675
APPLICANT HABENER, J.F.	
FILING DATE August 10, 2000	GROUP To be assigned

U.S. PATENT DOCUMENTS

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	33	Entry entitled "Diabetes mellitus," in <i>Seikagaku Jiten</i> (Biochemical Dictionary), First edition, Tokyo Kagaku Dojin, pp. 868 (May 1985). <i>no english translation</i>
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Page 1 of 2

FORM PTO-1449

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENTATTY. DOCKET NO.  
0609.1090009/MACAPPLICATION NO.  
09/635,679APPLICANT  
HabenerFILING DATE  
August 10, 2000GROUP  
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## U.S. PATENT DOCUMENTS

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	AN						Yes No
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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
	AS	33	Gutniak, M.K., et al., "Subcutaneous Injection of the Incretin Hormone Glucagon-Like Peptide 1 Abolishes Postprandial Glycemia in NIDDM," <i>Diabetes Care</i> 17:1039-1044, American Diabetes Association, Inc. (September 1994).
	AT	33	Habener, J.F., "The Incretin Notion and Its Relevance to Diabetes," <i>Endocrin. Metabolism Clinics N. America</i> 22:775-794, W.B. Saunders Company (December 1993).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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Page 2 of 2

FORM PTO-1449

ATTY. DOCKET NO.  
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APPLICATION NO.  
09/635,679

**FIRST SUPPLEMENTAL INFORMATION DISCLOSURE  
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FILING DATE  
August 10, 2000

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**U.S. PATENT DOCUMENTS**

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	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>34</u>	Nathan, D.M., et al., "Insulinotropic Action of Glucagonlike Peptide-1-(7-37) in Diabetic and Nondiabetic Subjects," <i>Diabetes Care</i> 15:270-276, American Diabetes Association, Inc. (February 1992).
	AS	<u>34</u>	Nauck, M.A., et al., "Preserved Incretin Activity of Glucagon-like Peptide 1 [7-36 Amide] but Not of Synthetic Human Gastric Inhibitory Polypeptide in Patients with Type-2 Diabetes Mellitus," <i>J. Clin. Invest.</i> 91:301-307, The American Society for Clinical Investigations, Inc. (January 1993).
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8/14/02

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